

Title (en)
PROCESS FOR THE PREPARATION OF METHIONINE

Title (de)
VERFAHREN ZUR HERSTELLUNG VON METHIONIN

Title (fr)
PROCÉDÉ DESTINÉ À LA FABRICATION DE MÉTHIONINE

Publication
EP 2828239 A1 20150128 (EN)

Application
EP 13706017 A 20130226

Priority
• EP 12160257 A 20120320
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Abstract (en)
[origin: EP2641898A1] Preparing D,L-methionine, comprises supplying carbon dioxide to an aqueous potassium methioninate solution obtained by hydrolysis of 5-(2-methylmercaptoethyl)-hydantoin, for precipitating crude methionine, separating the crude methionine, and purifying it by preparing an aqueous solution of the separated crude methionine, comprising potassium ions and a crystallization additive, which is a nonionic or anionic surfactant, and subjecting the solution to recrystallization, which is carried out by introducing a hot methionine solution into a warm methionine suspension. Preparing D,L-methionine, comprises supplying carbon dioxide to an aqueous potassium methioninate solution obtained by hydrolysis of 5-(2-methylmercaptoethyl)-hydantoin, for precipitating crude methionine, separating the crude methionine, and purifying it by preparing an aqueous solution of the separated crude methionine, comprising potassium ions and a crystallization additive, which is a nonionic or anionic surfactant, or a mixture of different nonionic or anionic surfactants, and subjecting the solution to recrystallization, which is carried out by introducing a hot methionine solution with a temperature of 60-110[deg] C, into a warm methionine suspension with a temperature of 35-80[deg] C, which is less than the temperature of the introduced solution. The temperature of the methionine suspension is held at 35-80[deg] C during the addition.

IPC 8 full level
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